Datasheet

Controller BM570

The **BM 570** control unit offers you extensive flexibility and maximum convenience for the quick creation of marking files. With its complete numeric and letter keyboard, the control unit is designed for both simple manual and integrated operation. No additional PC is required.

In the "preview function" the operator has the option of editing the marking image or starting the marking process immediately. Due to the logical, self-explanatory menu navigation, familiarization is possible in a very short time. Up to **400 marking files** can be stored in the internal memory.

GENERAL DESCRIPTION CONTROLLER BM570

Software

- Entry of 22 lines and 50 characters per line within a marking file

- Up to 400 files and 64 logotypes

- Marking speed:
  15 character/s pneumatic head and
  8 character/s Electric head

- Character height:
  from 1mm adjustable in 0.5 mm steps
  up to max. 17 mm

- Character width and space width individually adjustable

- Freely adjustable spacing between characters

- Fonts:
  5x7, DIN1451. (Others on request.)

- Mark the data matrix code with max. 80 alphanumeric characters

- Mirror writing marks vertically and horizontally

- Self-centering of the marking text within the line

- Types of lettering: In a circular arc, at an angle, as well as concave and convex

- "Teach-in function" by moving across the marking area

- "Interfering edge function" for bypassing collision points

- Serial number function with automatic reset to the initial value e.g. after the end of the shift or by an external signal

- Automatic generation of date, time and shift operation etc.

- Menu languages:
  German, English, Spanish and 3 other languages
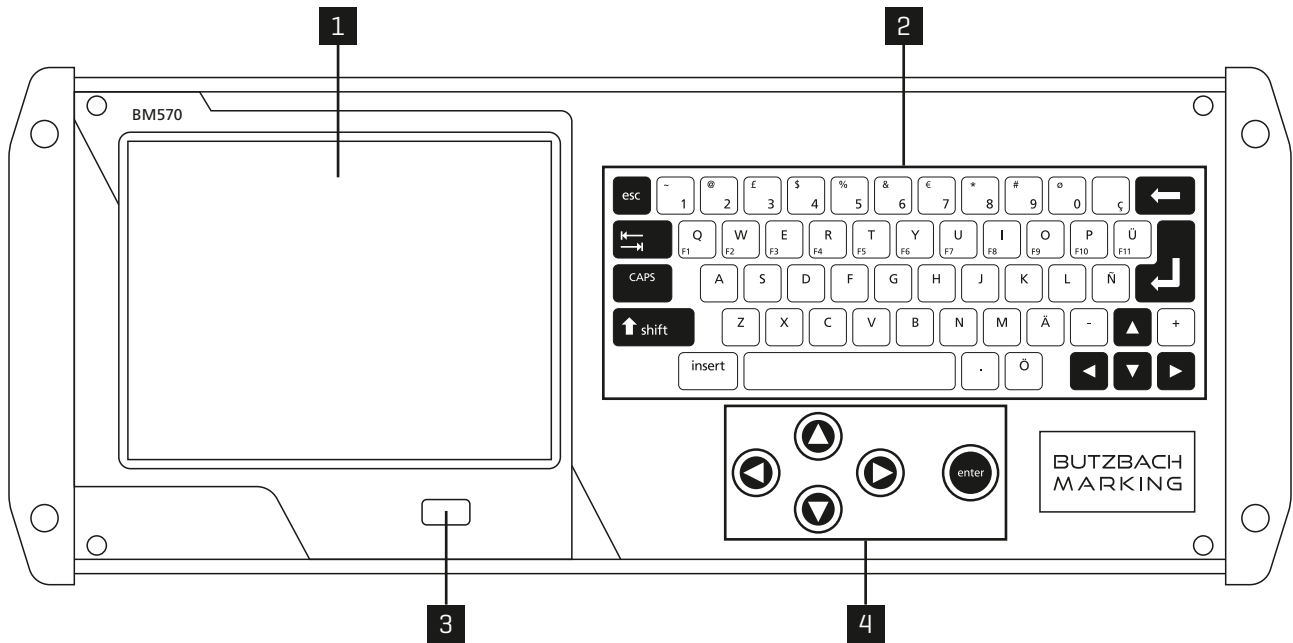
- Signals I/O programmable

Hardware

- Connection of additional external keyboard via USB

- Connection of bar code scanner and data matrix code scanner

- Marked text output via the RS-232 interface

- RS-232 interface for connection to PC or PLC for "online operation"

- Membrane keyboard

- Selection of 31 marking files by binary coding (BDC)

- 9 digital inputs and 7 digital outputs

- TFT graphic display

- Voltage: 110/220V 50/60Hz

- Dimensions: [L x W x H]: 345 x 145 x 260 mm

- Weight: 7,2 kg

Optionally available:

- PC software for controlling the control

- PC software for creating logos or company logos

- Profinet module for PLC

- Ethernet/TCP/IP module for network connection

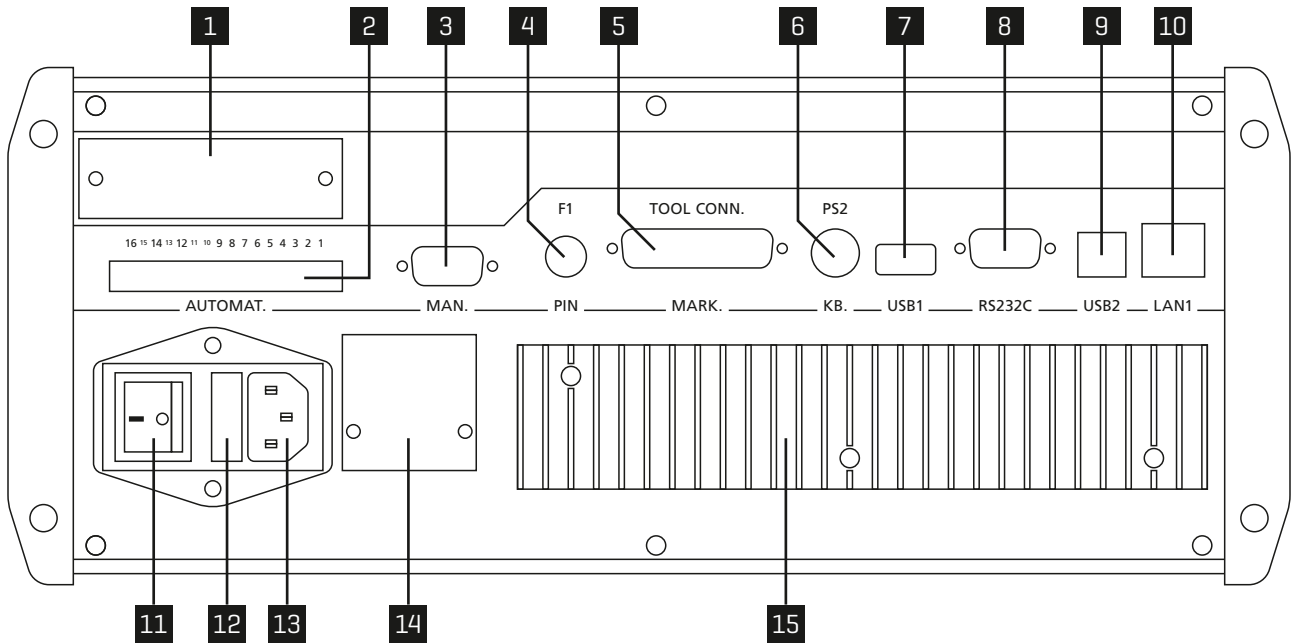- Extension of the binary coding up to 256 marking files

FRONT VIEW OF THE CONTROL UNIT BM570

Elements and connections on the front

1	**Display**	7 Inch
2	**Keyboard**	Membrane keyboard
3	**USB connection**	for datatransfer with external storage
4	**Navigation buttons**	for navigate through the menus

BACK VIEW OF THE CONTROL UNIT BM570

Elements and connections on the back

1	Information label	Properties of the control
2	AUTOMAT connection	External connection I/O (PLC)
3	MAN connection	Connection to start/stop keypad
4	Fuse F1	T6, 3A
5	MARK connection	Connection to the BM marking head
6	KEYBOARD connection	Connection for PS2-keyboard
7	USB connection 1	Connection for USB-keyboard
8	RS232 connection	Serial communication port RS232-C
9	USB connection 2	USB communication
10	LAN connection 1	Ethernet communication
11	Main switch	Switch the controller on/off
12	Fuse	2 x T2A (220 V) / 2 x T4A (110 V)
13	AC connection	Connect the control with the power supply
14	Voltage label	Information
15	Cooler	Cools the internal electronics